



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3161-9
Job Sheet 172336



Part No: D3161-9

Job Qty: 6 ea

Part Name: Hinge 17.0"



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/15/18

Job Tracking No:

Due Date: 2/23/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV A2 IPP A 04.08.24 New Issue KJ/JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	6 Ea		2/22/18	0.00	0.00	Start Up Small Fab-1		FF
100	Small Fab	6 pcs		2/23/18	0.00	0.54	Small Fab-2		DAS FF
110	QC	6 pcs		2/23/18	0.00	0.00	QC5		38
120	Packaging	6 pcs		2/23/18	0.00	0.00	Packaging3-1	St 483	FEB 16 2018
130	QC21-SA	6 Ea		2/23/18	0.00	0.00	QC21		DAS FEB 16 2018

Part Op
Descriptions: 100 - (1) 72" Hinge makes (4) D3161-9 parts at 17" long

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MS20257-3-7200	Piano Hinge	9.9000 ft (1.65 ea)	90-Start up Operation	5024439

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	MS20257-3-7200	10	43	0

Part Specifications

Specifications could not be found.

Plex 2/15/18 1:01 PM Dart.lajeunesse.marie

DQA: _____ Date: _____

WORK ORDER

QA Closed: _____ Date: _____

Work Order: _____	DISPOSITION Rew Sc Use-a Suspected Unappro
Part No. _____	
NCR No. _____	

Date :	Step #:
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Description Work Order Deviation

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DAVID
AEROSPACE

Container No: S042862

Part: D3161-9

Job No: 172336

Serial No/Batch: S042862

Revision: D3161

Inspector:

1270 Abundant Street
Newbury, ON R6A 1K7
CANADA
TEL: 1 813 632-5200
Email: sales@dentoro.com
www.dentoro.com

Date: 02/16/18

QC / QA Coordinator
Approval

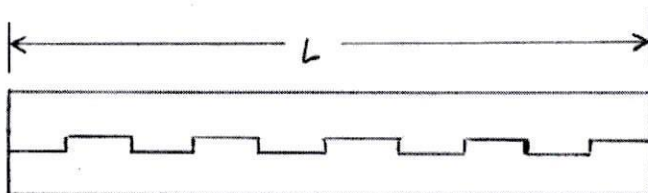
Root Cause				FAULT CATEGORY						
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date	☐	Manufacturing Process	☐							
Misidentified	☐	Past Due	☐	OTHER :						



DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED RF	APPROVED #	DRAWING NO. D3161	REV. A SHEET 1 OF 1
DATE 02.04.24		TITLE HINGE	SCALE NTS
A	02.04.24	NEW ISSUE	
A1	04.02.27	ADDED D3161-5	
A2	04.06.30	ADD D3161-7 & D3161-9	

RELEASED
02.04.24

P/N	LENGTH 'L'	DESCRIPTION
D3161-1	13.5"	HINGE (REPLACES MS20257-3-13.5 ON D2183)
D3161-3	15.0"	HINGE (REPLACES MS20257-3-15.0 ON D2950-041)
D3161-5	9.9"	HINGE
D3161-7	14.0"	HINGE
D3161-9	17.0"	HINGE



NOTES:

- ① MAKE FROM MS20257-3-7200 HINGE

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 172336 HWS
18-02-15

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ bal Knowledge ☐ LOA ☐ Substation ☐ Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : _____			